70 YEARS ANNIVERSARY
1946 MOUNT DIABLO W6CX AMATEUR RADIO CLUB
WWW.MDARC.ORG

THE CARRIER

The monthly newsletter for the Mount Diablo Amateur Radio Club
Volume LXVI - Number 10 – October 2017

Friday October 20, 2017
7:00pm (NOTE EARLIER TIME)
HELD AT PACIFICON !
Marriott Hotel Salon E
2600 Bishop Drive San Ramon

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PACIFICON 17
SAN RAMON CA
AMATEUR RADIO CONVENTION

Affiliated Club

THE OCTOBER MEETING IS AT

PACIFICON

Making 'Maker Faires' Work !

Presented by David Witkowski, W6DTW

Maker Faires are an amalgam of science, art, technology, and creativity. Maker Faire Bay Area, which is hosted every May in San Mateo, draws over 150,000 attendees during a three-day event. Contrary to the popular belief that we've become a culture of technology consumers, Makers love to build, experiment, and play - and as such there's an ideal alignment between Makers and amateur radio. We can greatly enrich amateur radio by building bridges to the Maker Faire, and in turn offer Makers benefit from our deep knowledge of radio and wireless. David Witkowski, W6DTW, who has been attending Maker Faire Bay Area for over ten years and has exhibited amateur radio at the Faire for five years, will offer his insights, strategies, and experience on creating alignment between these parallel yet uniquely different worlds. Dinner will be available for purchase at the back of the room.

LICENSE TESTING REPORT

At the September 15, 2017, club meeting, the following candidates successfully completed their technician class license examinations:

Gary W. Benecke	Oakland	KM6MVV
Aaron R. Czeszynski	Pleasanton	KM6MVZ
Lee D. Hambly	Mountain House	KM6MVX
Stein Laxo	San Francisco	KM6MVU
Joseph L. Perez	Walnut Creek	KM6MVW
Cassie Stuurman	Oakland	KM6MVY
Lisa Trahan	Oakland	KM6MWA
Robert V. Whiting	Emeryville	KM6MWB

If you hear any of these new hams on the air, please congratulate them on their recent accomplishment.
— *Larry Loomer, KI6LNB*

When you purchase at Amazon dot com smile, a portion of your purchase is donated to our club.

Go to:
https://smile.amazon.com/ch/23-7072059

ALL MEMBERS ARE INVITED TO JOIN THE CLUB YAHOO GROUP. DOWNLOAD FILES, INCLUDING *THE CARRIER* IN **FULL COLOR** AS WELL AS SHARE INFORMATION WITH THE MEMBERSHIP AT:

http://groups.yahoo.com/group/mdarc

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The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Mike Patterson, N6JGA
Vice President - Larry Bradley KK6QPE
Secretary – Dick Fletcher, AF9RF
Treasurer - Cathi Walton, K2CJW
Technical Committee Chair
Jim Siemons, AF6PU

Directors At Large
Trevor Hall, WA6JAU
Terry Buxton, KK6KGX
Janice Fujii, KG6VTD
John Primus, AF6RJ

Emergency Coordinator - Ron Bunch, W4FEK

PACIFICON 2017
Chair: Misa Siemons, KJ6BUE
Registration: Tom Deeble, KA6SIP & Debbie Deeble
Treasurer: Jim Siemons, AF6PU
Secretary: (vacant)
Web Page: Mike Patterson, N6JGA

Membership Chair – Tom Deeble, KA6SIP
mdarcmembership@mdarc.org

Website - David Schild, KK6CQX
Repeater Trustee - Jay Caldis, KT6Y
Education & Training Chair - John Primus, AF6RJ
License Testing - Larry Loomer, KI6LNB
Public Service - Klaus Berkner, K6KHB
Outreach Coordinator - Jim Siemons, AF6PU
Field Day Chair - Larry Loomer, KI6LNB
Refreshments: Elizabeth Styles, KG6HLV
Holiday Party - Misa Siemons, KJ6BUE
Communications Van - Lauren Styles, WA6CIE

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PRESIDENT'S MESSAGE

MDARC Family

Pacificon is here! I hope all of you will be there. Our annual conference is bigger and better than ever. Our registrations have been growing day by day. Gordon West, WB6NOA and Bob Heil, K9EID will be back again this year. As always, we'll have our world-famous all-day antenna seminar, forums and seminars with world-class speakers; dozens of local, national and international vendors; non-profit exhibitors; a swap meet; one-day license class; license testing; kit assembly; a 24-hour-a-day special event station (hosted by the Palo Alto Amateur Radio Association); QSL card checking; a Wouff Hong ceremony; a top class banquet and much more. So don't miss it. See http://www.pacificon.org/ for all the details.

It's not too late to volunteer to help at Pacificon. There's a variety of things that need to be done and we never have enough people to do them. Please help us keep Pacificon one of the best ham radio conferences in the U.S. Also, remember that our monthly Club meeting will NOT be at our usual location in Lafayette. We'll have it at PACIFICON, in the San Ramon Marriott Hotel, on our regular third Friday, Oct. 20. It will start a half hour early, at 7:00 pm. No official business this night. We'll have an excellent presentation instead: "Making Maker Faires Work", by David Witkowski, W6DTW. See the details at http://www.pacificon.org/events/mdarc-open-meeting. You do not need a Pacificon registration to attend our meeting. Dinner will be available for purchase just outside the room.

The Time Has Come to Pass the Torch

For most of my tenure as your president, I've bragged about how great our Club is; and about the many things we do so well. I've also said, though, that to stay strong, we need more of you to volunteer to help with the services we provide. It's been discussed in this newsletter and at Club meetings. We've had numerous discussions at our Board meetings and committee meetings about how to get more members to help out. Unfortunately, our efforts have had only limited success. Now the time for discussion is almost at an end.

All of us in leadership positions will be retiring at some point in the future. We need people to replace us, yet few have volunteered. I don't wish to sound over-dramatic, but the survival of the Club as it is today depends on you, each member, coming forward to help. This is no longer a "maybe later" consideration. We need you now.

I will be retiring as your president at the end of the year. So far, no one has confirmed their willingness to run for election in that position; despite the fact that there are numerous well-qualified people in our Club. Other veteran Club members must also step back from their current leadership positions in the not-too-distant future. Who will replace them? So far, few have some forward to help, even in minor roles.

The core of our Club; the repeaters systems; Pacificon; our education and outreach efforts; public service and other activities, will not continue to exist without your help. I know you're busy; we all are. But being busy is really just a matter of deciding priorities. You, as an individual MDARC member, must decide if the Club is important enough to you to help keep it as strong as it is today. If it is, then come forward now and tell us how you would like to help. If you want to help but aren't sure what you can do, talk to us. We can find something that will help and you will enjoy. If you decide to "let someone else do it", though, then the Club will decline. It's up to you.

73,

Mike Patterson, N6JGA
President

Positions are open for nominations to the MDARC Board for 2018.

Members wishing to run for an office please contact Terry Buxton, KK6KGX, at 925-827-1411, or at marux@sbcglobal.net.

The club needs your support.

Thank you.

Meet Your Fellow Club Members

In an effort to get to know your fellow club members better, our newsletter will feature an interview each month from one of our fellow club members.

This month, meet our Vice President, Larry Bradley, KK6QPE.

What got you interested in ham radio?

Speaking with ham radio operators at public service events when I was helping as an aid station volunteer.

When and where did you become a ham? Is any member of your family a ham?

December, 2014: MDARC license testing and passing Technician and General License Classes.

What is (was) your profession? Do you have any other hobbies and interests? **Currently I am the Quality System Manager at a local biotech company. Before that I was the Instrument Manufacturing Manager at the same company.**

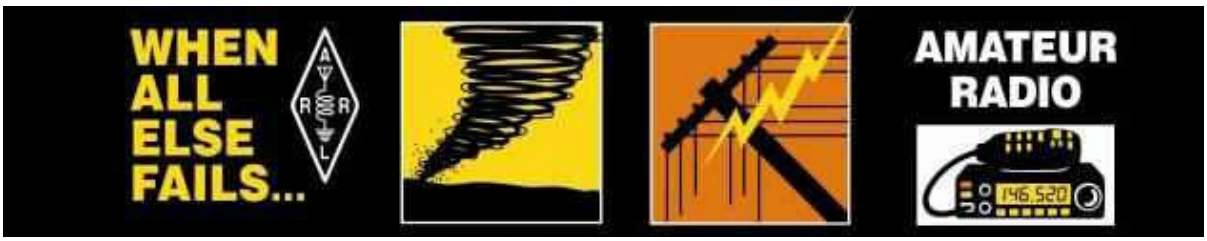
What ham radio activities to you enjoy the most? ***Public Service and organizing licensing courses***

What is your favorite thing to do in MDARC? ***Learning would be high on the list***

How would you improve the MDARC Club? ***Improve attendance for the monthly membership meeting. [Considering the number of members on the roster, we have a very low showing.] Offer kit building and fabrication skills (e.g. coax connectors; soldering techniques)***

What future plans and ambitions do you have for your interest in ham radio? ***Learn Morse Code (currently doing so) and learn to operate my Yaesu FT-DX3000 rig//make HF contacts.***

Do you have future plans and ambitions with MDARC? ***Currently hold an officer's position. Take on more leadership for Instructional Team***



Michael Beller

Art Botterell, KD6O

Derek Douville, KI6AQQ

Steven Jones

Daniel Lamey, KD6DTL

Brian Lotter

Anil Mallya, KI6FYM

Arvind Mallya,KI6MOI

Steven McPherson, AI6SM

Rose Merryman

Jon Ponder, W3DVY

Ronald Roberts

Tim Sammons, N6CC

Noah Schaefer, KM6IHK

Joy Schneider, N1BUN

Mary Solon, KD6MKS

Marilyn Warren

Mike Warren

MDARC Family,

We've learned from his wife Judy that Paul Dickey, N6JOX, passed away on Sunday, September 10, 2017.

There will be a celebration of his life at Moraga Valley Presbyterian Church in Moraga at 1 pm on Monday, Oct. 16, with a reception in the fellowship hall afterwards. Anyone who knew him is invited.

For many years, Paul was an active member of our Club. He was my predecessor and mentor on at least a couple of positions I've held. He will be missed.

Mike Patterson, N6JGA
President

Paul R. Dickey, N6JOX (ex-WB3CXV), passed away on Sunday, Sept. 10, 2017, at age 84.

Paul was born in 1933 in Berkeley, California, to Paul B. and Cynthia Gadberry Dickey.

Married to the former Judith Ann Carter, of Seattle for 48 years. He is survived by his wife and sons, Robert and Randy, daughter-in-law, Lisa, and grandsons, Ben and Matthew.

Paul earned his AB degree from UC Berkeley, and MA and PhD degrees from Golden Gate University. He retired in 1983 after a 25 year career with the IRS culminating with the position of District Director, Nevada. He later had a 15 year as an educator for the University of Phoenix, East Bay campus and San Francisco State University.

He was a devoted husband, father and community volunteer. He was the founding scoutmaster for Troop 234 in Moraga in 1983 and served in that capacity until 1993. As a result of his accomplishments, Paul was a Silver Beaver recipient, the highest award a Boy Scout council presents a volunteer.

Paul was a dedicated Bible student and member, Community Presbyterian Church, Danville.

(Above obituary published in the *East Bay Times*)

Board of Directors Meeting Minutes

Date: October 2, 2017 Time: 7pm

Presided over by: President, Mike Patterson, N6JGA

Recorded by Richard Fletcher, AF9RF, Secretary

The meeting was held at the Black Bear Diner, 700 Bancroft Rd., Walnut Creek, Ca.
and was opened at 7:05 PM. There were 11 attendees:

Eric Ferguson, KA6USJ, Trevor Hall, WA6JAU, John Primus, AF6RJ, Larry Bradley, KK6QPE, Jim Siemons, AF6PU, Janice Fuji, KG6VTD, Cathi Walton, K2CJW, Ron Bunch, W4FEK, Terry Buxton, KK6KGX

Treasurer Cathi explained the composition of the current financial report. It was composed of four (4) outstanding balances. They were MDARC Checking Account, which had a monthly total after income and expenses of -$2,253.90, the MDARC Balance is standing at $34,117.97, and the Equipment Self-Insurance Fund stands at $56,045.27. The PACIFICON Checking Account stands at $46,331.68. The club's Total Account Balance stands $136,494.92

John Primus, AF6RJ, of the Education and Training group, submitted a report stating that after 4 class sessions starting 8/17/17, the student participation stands at 22, the younger of which is three students, Aged 15, 13, and 11 years old. The final examination is to be held October 5th at the SATERN facility.

Ron Bunch, W4FEK spoke on FEMA classes and the completion credits.
He spoke also about radio net activities after major storms.

The Technical and Vehicle committees reported major gains in the retrofitting of the former KGO van. Fred Coe, WB6ASU, was noted to have made great progress solely on his own.

The remainder of the meeting was spent covering the subject of operational policies relating to club expenses.

(repeat notice) It was noted that it has been confirmed that ZIO FREDOSE's will be the location for the Holiday banquet.

The meeting was adjourned at 8:52 PDT.

Respectfully Submitted
Richard W Fletcher, AF9RF
Secretary

General Meeting Minutes September 15, 2017

Presided over by: President Mike Patterson, N6JGA

Recorded by: Secretary Richard W Fletcher, AF9RF

Meeting location: Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette, Ca.

The meeting was called to order at 7:32, PM PST.

A pledge of allegiance was said by all.

The minutes of the previous meeting (August) were approved by the membership.

Our VP announced that the program following tonight's meeting would be Misa Siemons with a detailed description of the Pacificon event coming in October. He further briefed all about the remaining programs stating: Tom Deeble in October; Elections in November,
A speaker at the Holiday Dinner in December

(repeat from this month's board meeting) Treasurer Cathi noted that the club received a donation from 'Amazon Smile Donations'. She explained that process and explained that members making purchases from Amazon can specify a donation be sent to the club. She added that we have received a $100 rebate from The City of Walnut Creek that we were required to deposit with them relating to Field Day activities. She then concluded by stating that the total of all balances was $133,435.53.

John, AF6RJ notified the membership of the statistics of the current technician class statistics after 5 sessions. There are 22 students attending with 3 notable such as: Evan Farley, age 15, is a boy scout that is seeking his Radio Merit Badge as well as his Technician license. Brennan Greger, age 13, and lastly Sean Donelan, Age 11

Also he told all that license testing will take place 10/5 with a "Getting on the air" class starting 10/12.
Ron. W4FEK, noted that there is much more information about Skywarn training coming at Pacificon.
He then talked about the recent severe storm activity.

It was announced that an upcoming Public Service "Walnut Festival Parade" event will take place in downtown Walnut Creek.

Lauren, WA6CIE outlined some recent work performed on the van. He said also that he has received monetary donations from private parties.

Test results from this evening efforts showed eight technician tests taken and all passed.

Current candidates committed to the upcoming election were described by
office and it's responsibilities.

There was no unfinished business reported at this meeting.

President Mike told everyone about the need to find persons to replace current volunteers now holding numerous club jobs other than elected ones as they may be becoming older.

Respectfully Submitted,

Richard Fletcher, AF9RF
Secretary

Northern California DX Club Elmering Project

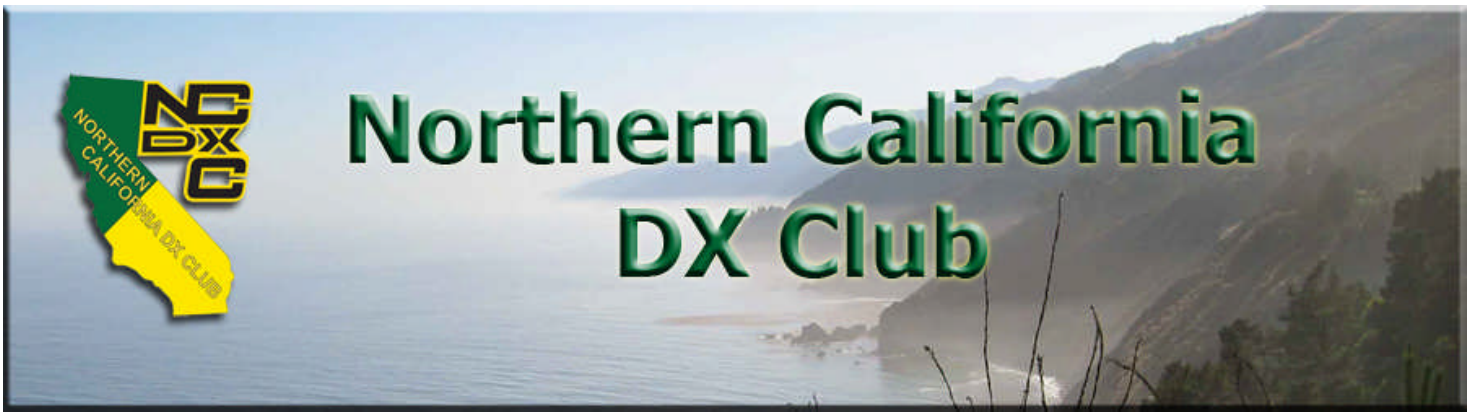
" 'Elmering' or mentoring has long been the backbone of Amateur Radio. While technology constantly evolves, the human interaction between hams will not be replaced and will always remain one of the hobby's strongest traditions. As licensed hams we are all ambassadors of Amateur Radio and we should always be looking at ways in which we can welcome newly licensed hams and project a positive image that will attract others to ham radio." Source: ARRL

The goal of the NCDXC Elmering Project is to get you on the HF bands doing something that you enjoy. We know that all of you may not be primarily interested in working DX so there is material on all phases of HF operation, station building, equipment selection and antennas woven into three tracks.

After a couple of introductory classes the tracks include Track I General License Exam Preparation, Track II HF Operating and Station Building and Track III Advanced Topics. Because the material is presented in tracks you can take only the classes that interest you. Our plan is to expose you to everything HF at your own skill level. There will even be a little material on how to chase DX thrown in for good measure.

Classes are free and we will do our best to make them fun. Some classes will be taught using Webex so you don't even have to leave your home to take them. Others will be taught at your Elmer's shack where you can try out what you are learning on the air. We look forward to helping you to enjoy HF ham radio.

Just go to the Northern California DX Club web page at ncdxc.org/pages/elmer.html to get started !



HAM RADIO OUTLET

14 STORE BUYING POWER!

ICOM

IC-7600 | *All Mode Transceiver*

• 100W HF/6m Transceiver, gen cov. receiver • Dual DSP 32 bit • Three roofing filters- 3, 6, 15khz • 5.8 in WQVGA TFT display • Hi-res real time spectrum scope

IC-7200 | *HF Transceiver*

• 160-10M • 100W • Simple & tough with IF DSP • AGC Loop Management • Digital IF Filter • Digital Twin PBT • Digital Noise Reduction • Digital Noise Blanker • USB Port for PC Control

IC-7100 | *All Mode Transceiver*

• HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions

ID-5100A | *VHF/UHF Dual Band Digital Transceiver*

• Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch • FM Analog/DV Repeater List Function

ID-51A | *VHF/UHF Dual Band Transceiver*

• 5/2.5/1.0/0.5/0.1W Output • RX: 0.52–1.71, 88–174, 380-479 MHz** • AM/FM/FM-N/WFM/DV • 1304 Alphanumeric Memory Chls • Integrated GPS • D-STAR Repeater Directory • IPX7 Submersible

KENWOOD

TS-590SG | *HF/50MHz Transceiver*

• Equipped with 500 Hz/2.7 kHz roofing filter as standard • ALC derived from TS-990S eliminating spike issues • Antenna output function (shared with DRV connector) • CW - morse code decoder function

TM-D710G | *2M/440 Dualband*

• V+V/V+U/U+U operation • Built-in GPS • Built-in TNC for APRS & DX-Cluster operation • 50W 2M & UHF • 1,000 memories • Dual receive • Green or amber backlight colors • Latest APRS firmware w/new features • Sky Command II remote functions

TM-V71A | *2M/440 DualBand*

• High RF output (50W) • Multiple Scan • Dual receive on same band (VxV, UxU) • Echolink® memory (auto dialer) • Echolink® Sysop mode for node terminal ops • Invertible front panel • Choice of green/amber for LCD panel • 104 code digital code squelch

TM-281A | *2 Mtr Mobile*

• 65 Watt • 200 Memories • CTCSS/DCS • Mil-Std specs • Hi-quality audio

TH-F6A | *2M/220/440*

• Dual channel receive • .1 - 1300 MHz (cell blocked) RX • FM, AM, SSB • 5W 2M/220/440 TX, FM • 435 Memories • Li-Ion Battery

YAESU
The radio

FT-991 | *HF/50MHz/2M/440 Transceiver*

• 160 M-440MHz - SSB/CW/FM/C4FM Digital/AM/RTTY/PSK • 100 W (2M/440: 50 Watts) • 3.5" TFT full-color touch panel operation • High speed spectrum scope • Roofing filers: 3kHz & 15kHz • 32-bit high speed floating point IF DSP

FTDX1200 | *100W HF + 6M Transceiver*

• Triple Conversion Receiver With 32-bit Floating Point DSP • 40 MHz 1st IF with selectable 3 kHz, 6kHz & 15 kHz Roofing Filters • Optional FFT-1 Supports AF-FFT Scope, RTTY/PSK31 Encode/Decode, CW Decode/Auto Zero-In • Full Color 4.3" TFT Display

FT-450D | *A100W HF + 6M Transceiver*

• 100W HF/6M • Auto tuner built-in • DSP built-in • 500 memories • DNR, IF Notch, IF Shift

FTM-400DR | *2M/440 Mobile*

• Color display-green, blue, orange, purple, gray • GPS/APRS • Packet 1200/9600 bd ready • Spectrum scope • Bluetooth • MicroSD slot • 500 memory per band

FT-60R | *2M/440 5W HT*

• Wide receiver coverage • AM air band receive • 1000 memory channels w/alpha labels • Huge LCD display • Rugged die-cast, water resistant case • NOAA severe weather alert with alert scan

5 Ways to Shop!

- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- FAX – All store locations
- ONLINE – WWW.HAMRADIO.COM
- MAIL – All store locations

ANAHEIM, CA (800) 854-6046	OAKLAND, CA (877) 892-1745		PORTLAND, OR (800) 765-4267	PHOENIX, AZ (800) 559-7388	WOODBRIDGE, VA (800) 444-4799	PLANO, TX (877) 455-8750 New Store!
BURBANK, CA (877) 892-1748	SAN DIEGO, CA (877) 520-9623	NEW CASTLE, DE (800) 644-4476	DENVER, CO (800) 444-9476	ATLANTA, GA (800) 444-7927	SALEM, NH (800) 444-0047	ONLINE STORE WWW.HAMRADIO.COM

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. AZ, CA, CO, GA, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.

The Carrier
Newsletter of the Mt. Diablo Amateur Radio Club
P.O. Box 23222
Pleasant Hill, CA 94523
www.mdarc.org

FIRST CLASS

THIS MONTH:

https://www.facebook.com/mdarc.org

W6CX Nets

Monday 7:00 pm Washington High School Net 147.060+

Monday 8:00 pm SATERN Net 147.060+

Wednesday 7:00 pm SKYWARN Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Amateur Television Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

FM 147.060 MHz + / PL 100Hz - EchoLink: W6CX-R /133896, IRLP: 3057
224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

D-STAR 145.000 *offset plus 2.5 MHz*
https://w6cx.dstargateway.org/ Digital ATV Output 1244.500
Digital ATV Input 1292.500
ATV Inputs: 1289.25 MHz AM; 1270.000 FM pl 192.8 915.0 AM 427.0 AM
ATV Internet Stream: http://www.w6cxatv.net/live

Contra Costa County Emergency Communications Nets

Every Thursday
http://www.coco-races.org/meetings/nets/

6:35 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 146.355+ (77.0 PL)
7:20 pm Countywide 145.490-- (107.2 PL)
or 147.735-- (107.2 PL)
or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

October 2017 and November 2017 Club Calendar

Friday October 20, 2017	**7:00pm**	**MDARC General Meeting - AT PACIFICON 2017** **Marriott Hotel 2600 Bishop Dr San Ramon - Salon E**
Saturday November 4, 2017	8:00am	MDARC Technical Committee Meeting Environmental Center, 2581 Harbor Street, Pittsburg
Monday November 6, 2017	7:00pm	MDARC Board Meeting Black Bear Restaurant, 700 Bancroft Avenue, Walnut Creek
Friday November 17, 2017	7:30pm	MDARC General Meeting - Our Savior's Lutheran Church 1035 Carol Lane, Lafayette